

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Ultrasonic standing-wave atomizer arrangement for producing a paint spray mist for painting a workpiece, with a sonotrode, with a component arranged lying opposite the sonotrode, a standing ultrasonic field being formed in the intermediate space between the sonotrode and the component in the case of operation, and with a paint-feeding device, by means of which paint can be fed into the vicinity of a maximum of the sound particle velocity of the ultrasonic field, wherein the paint-feeding device has in the region of the standing ultrasonic field at least two pieces of pipe for discharging paint, and ~~in that~~ wherein at least two of the pieces of pipe are arranged in the region of a selected maximum of the sound particle velocity of the standing ultrasonic field.
2. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein the component is a further sonotrode.
3. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1 wherein the distance between the pieces of pipe in the region of the selected maximum is so great that sheets of paint that are separate from one another are formed for each piece of pipe.

4. (Currently Amended) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein ~~[[the]]~~ paint outlet openings of the at least two pieces of pipe in the region of the selected maximum of the sound particle velocity of a standing ultrasonic wave are arranged on an imaginary straight line, and ~~in that~~ wherein the straight line is perpendicular to an imaginary centre line which passes through ~~[[the]]~~ centroids of ~~[[the]]~~ opposing sound faces of the sonotrode and of the component.

5. (Currently Amended) Ultrasonic standing-wave atomizer arrangement according to claim 4, wherein the shape of the sound faces corresponds approximately to a segment of the generated surface of a cylinder reproduced with polyhedral surfaces, or the segment is cylindrical, and ~~in that~~ wherein the longitudinal axis of the cylinder concerned is situated parallel to the straight line.

6. (Currently Amended) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein three of the pieces of pipe are arranged in the region of a selected maximum of the sound particle velocity of a standing ultrasonic wave, and ~~in that~~ wherein these pieces of pipe or their paint outlet openings are arranged in a triangle, ~~in particular an equilateral triangle~~.

7. (Currently Amended) Ultrasonic standing-wave atomizer arrangement according to claim 6, wherein the surface which is determined by the triangle is perpendicular to an imaginary centre line which passes through ~~[[the]]~~ centroids of ~~[[the]]~~ opposing sound faces of the sonotrode and of the component.

8. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein the distance between the at least two pieces of pipe arranged in the region of a selected maximum of the sound particle velocity of a standing ultrasonic wave and the sonotrode is at most equal to the distance between these pieces of pipe and the component.

9. (Currently Amended) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein the at least two pieces of pipe are provided with a hydrophobic surface, ~~in particular a tetrafluoroethylene coating.~~

10. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein there is a flow of cleaning air, by which wetting of the sonotrode and/or of the component is avoided or reduced.

11. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein there is a flow of directing air, by which the direction of flight of the paint spray mist can be influenced.

12. (Previously Presented) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein there is at least one charging device for internal and/or external charging, by which the paint or the atomized paint particles can be electrostatically charged.

13. (New) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein three of the pieces of pipe are arranged in the region of a selected maximum of the sound particle velocity of a standing ultrasonic wave, and wherein these pieces of pipe or their paint outlet openings are arranged in an equilateral triangle.

14. (New) Ultrasonic standing-wave atomizer arrangement according to claim 1, wherein the at least two pieces of pipe are provided with a tetrafluoroethylene coating.